

PATENT



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of: Lixiao Wang et al.

Application No.: 10/080,781

Filed: February 22, 2002

For: BLOCK COPOLYMER ELASTOMER CATHETER  
BALLOONS

Examiner: Not assigned yet

Group Art Unit: 3763

*RECEIVED*  
MAY 30 2002  
TECHNOLOGY CENTER R3700

Commissioner for Patent  
Washington, D.C. 20231

Docket No.: S63.2-10401

## TRANSMITTAL LETTER

1. In regard to the above-identified application, we are submitting the attached:  
3 pg IDS; 18 pgs of 1449 form; copies of References; copy of US application 09/712042; VAS Transmittal Letter; and Postcard.
2. With respect to fees:
  - No additional fee is required.
  - Attached is check(s) in the amount of \_\_\_\_\_.
  - Charge additional fee to our Deposit Account No. 22-0350.
3. **CONDITIONAL PETITION FOR EXTENSION OF TIME**  
This conditional petition is being filed along with the papers identified in Item 1 above and provides for the possibility that Applicant has inadvertently overlooked the need for a petition and fee for extension of time or for a petition and fee for any other matter petitionable to the Commissioner as required. If any extension of time for the accompanying response is required or if a petition for any other matter is required, by petitioner, Applicant requests that this be considered a petition therefor.
4. Notwithstanding paragraph 2 above, if any additional fees associated with this communication are required and have not otherwise been paid, including any fee associated with the Conditional Petition for Extension of Time, or any request in the accompanying papers for action which requires a fee as a petition to the Commissioner, please charge the additional fees to Deposit Account No. 22-0350. Please charge any additional fees or credit overpayment associated with this communication to the Deposit Account No. 22-0350.

VIDAS, ARRETT &amp; STEINKRAUS

Date: May 28, 2002

By:

*Walter J. Steinkraus*  
Walter J. Steinkraus  
Registration No. 29,592

6109 Blue Circle Drive, Suite 2000  
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Facsimile: (952) 563-3001

Certificate Under 37 CFR 1.10: I hereby certify that this Transmittal Letter and the paper(s) as described herein, are being deposited in the U.S. Postal Service, as First Class Mail, addressed to Commissioner for Patents, Washington D.C. 20231, on May 28, 2002.

*Jodi Nickel*  
JODI NICKEL

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /MM/

BET

6-4-02

#21009  
PATENT**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE****In Re Application of:** Lixiao Wang et al.**Application No.:**

10/080,781

**Filed:**

February 22, 2002

**For:**BLOCK COPOLYMER ELASTOMER  
CATHETER BALLOONS**Examiner:**

Not assigned yet

**Group Art Unit:**

3763

Commissioner for Patent  
Washington, D.C. 20231

Docket No.: S63.2-10401

**INFORMATION DISCLOSURE STATEMENT**

Listed below or on an attached Form PTO-1449 and/or a copy of a PTO-892 form is information known to applicant(s). A copy of each listed publication, U.S. patent, foreign patent and U.S. patent application is being submitted herewith, along with a concise explanation of information in a foreign language, if any, pursuant to 37 C.F.R. §1.97-1.98, *except that* U.S. applications from which priority is claimed under 35 U.S.C. §120, and documents cited in such priority applications, may be omitted from the enclosures pursuant to 37 C.F.R. 1.98(d).

Applicant's submission of copies of U.S. applications does not constitute a waiver of the confidentiality of such applications. As such, Applicant requests that any copies of unpublished US applications submitted herewith be excluded from the file wrapper pursuant to 37 C.F.R. §1.14.

Applicants respectfully request that the listed information be considered by the Examiner and be made of record in the above-identified application. If form PTO-1449 or PTO-892 from a prior application is enclosed, the Examiner is requested to initial and return it in accordance with MPEP §609.

This statement is not intended to represent that a search has been made or that the information cited in the statement is, or is considered to be, material to patentability as defined in §1.56.

Applications that are listed on the accompanying modified form 1449 as related by priority are related by priority claim under 35 USC §120. Pursuant to 37 CFR §1.98(d), no copies of cited art in a previous application(s) to which priority was claimed need be submitted. Applicant is providing copies of the 1449 and/or 892 forms from these cases.

*Information Disclosure Statement*

Application No. 10/080,781

Page 2

X **I.** This statement qualifies as a no-fee Information Disclosure Statement under 37 C.F.R. §1.97(b) or otherwise because to the knowledge of the undersigned attorney it is being filed (check all that apply):

- X (1) within 3 months of the filing date of the application (other than a CPA); or
- (2) within 3 months of entry of the national stage; or
- (3) before the mailing of a first Office Action on the merits;
- (4) before the mailing of a first Office Action after the filing of a request for continued examination (RCE) under §1.114;
- (5) as part of a continued prosecution application (CPA); or
- (6) during the period of a suspension of action for a CPA under 37 C.F.R. §1.103(b).

       **II.** This statement is believed to require a fee or the submission of a certification under 37 C.F.R. §1.97(c) or otherwise. If this statement is being filed after the latest of: (1) three months beyond the filing date of a national application (other than CPA); (2) three months beyond the date of entry of the national stage as set forth in §1.491 in an international application; (3) the mailing of a first Office Action on the merits; (4) the mailing of a first Office Action after the filing of a request for continued examination under §1.114; or (5) after the filing of a request for a continued prosecution application, but before the mailing date of the earlier of a final office action under §1.113, a notice of allowance under §1.311 or an action that otherwise closes prosecution in the application, then:

- (1) a certification as specified in §1.97(e) is provided below; or
- (2) a fee of \$180.00 as set forth in §1.17(p) is authorized below, enclosed, or included with the payment of other papers filed together with this statement.

       **III. 37 C.F.R. §1.97(d).** If this statement is being filed after the mailing date of the earlier of a final office action under §1.113, a notice of allowance under §1.311, or an action that otherwise closes prosecution in the application, but before payment of the issue fee, then:

- (1) a certification as specified in §1.97(e) is completed below; and
- (2) a fee of \$180.00 as set forth in §1.17(p) is authorized below, enclosed, or included with payment of other papers filed together with this statement.

***Information Disclosure Statement******Application No.10/080,781***

X **IV. Fee Authorization.** If any fee is due for consideration of this Information Disclosure Statement and full payment has not been submitted herewith, regardless of which boxes have been checked above, the Commissioner is hereby authorized to charge any additional fees associated with this communication to Deposit Account No. 22-0350. The Commissioner is hereby authorized to credit any overpayment associated with this communication to Deposit Account No. 22-0350.

*If paragraph II.1 or III is checked, also check one of the paragraphs below*

       I hereby certify, under 37 CFR §1.97(e)(1), that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the date of the filing of this information disclosure statement.

       I hereby certify, under 37 CFR §1.97(e)(2), that no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and to the knowledge of the person signing the statement after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 1.56(c) more than three months prior to the filing of the Information Disclosure Statement.

*For the purpose of this certification, Applicant considers the PCT International Search Authority to constitute a foreign patent office.*

If this Information Disclosure Statement has been submitted without the appropriate box checked, Applicant requests that this Information Disclosure Statement be considered nevertheless if it is timely submitted under any of the provisions of 37 C.F.R. §1.97 or otherwise. Finally, if any petition is necessary to ensure consideration of this Information Disclosure Statement, Applicant requests that this be treated as such a petition.

Respectfully submitted,

VIDAS, ARRETT & STEINKRAUS, P.A.

Date: May 21, 2002

By:   
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Registration No.: 29,592

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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /MM/

**RECEIVED**

FORM PTO-1449 (Modified)		ATTY DOCKET NO: S63.2-10401	APPLICATION NO: 10/080,781
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S		NAME: Lixiao Wang et al.	
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		FILING DATE: February 22, 2002	GROUP: 3763
		TECHNOLOGY CENTER R3700	

REFERENCE DESIGNATION		U.S. PATENT AND PUBLISHED APPLICATION DOCUMENTS		
EXAMINER'S INIT.	DOCUMENT NUMBER	DATE	NAME	CLASS/ SUBCLASS
AA	6171278		Wang et al.	
AB	6146356		Wang et al.	
AC	5951941		Wang et al.	
AD	5830182		Wang et al.	
AE	5556383		Wang et al.	
AF	6210364		Anderson et al.	
AG				
AH				
AI				
AJ				
AK				
AL				

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY
BA	0 537 069 A1	10/8/92	EPO
BB	0 349 640 B1	2/25/88	EPO
BC			
BD			
BE			

**OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

CA		
CB		
CC		

EXAMINER	/Michael Miggins/	DATE CONSIDERED	03/02/2009
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



<b>Modified Form 1449 UNPUBLISHED US APPLICATIONS NOT RELATED BY PRIORITY (COPIES ENCLOSED)</b>	<b>ATTY DOCKET NO.: S63.2-10401</b>		<b>APPLICATION NO. S63.2-10401</b>	<b>RECEIVED</b>
	<b>APPLICANT: Lixiao Wang et al.</b>		<b>MAY 30 2002</b>	
	<b>FILING DATE: February 22, 2002</b>		<b>GROUP: 3763</b>	<b>TECHNOLOGY CENTER R3700</b>
	<b>UNPUBLISHED US APPLICATIONS NOT RELATED BY PRIORITY</b>			
<b>EXAMINER'S INIT</b>	<b>APPLICATION NO.</b>	<b>FILING DATE</b>	<b>INVENTOR(S)</b>	
DA	09/712042		Wang et al.	
DB				
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DF				
<b>EXAMINER</b>			<b>DATE CONSIDERED</b>	
<b>EXAMINER:</b> Initial if application considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.				

<b>Modified Form 1449 US APPLICATIONS RELATED BY PRIORITY (COPIES NOT ENCLOSED)</b>	<b>ATTY DOCKET NO.: S63.2-10401</b>		<b>APPLICATION NO. S63.2-10401</b>	
	<b>APPLICANT: Lixiao Wang et al.</b>			
	<b>FILING DATE: February 22, 2002</b>		<b>GROUP: 3763</b>	
	<b>US APPLICATIONS RELATED BY PRIORITY</b>			
<b>EXAMINER'S INIT</b>	<b>APPLICATION NO.</b>	<b>FILING DATE</b>	<b>PATENT NO.</b>	<b>INVENTOR(S)</b>
EA	09/328781	6/9/1999		Wang et al.
EB				
EC				
ED				
<b>EXAMINER</b>	<b>/Michael Miggins/</b>		<b>DATE CONSIDERED</b>	
<b>EXAMINER:</b> Initial if application considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.				

Applicant requests that any copies of unpublished US applications submitted herewith be excluded from the file wrapper pursuant to 37 C.F.R. §1.14.

2 of 18

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /MM/



FORM PTO-1449 (Modified)

LIST OF PATENTS AND PUBLICATIONS FOR  
APPLICANT'S INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

ATTY DOCKET NO: S632-4843-10401

SERIAL NO: 09/304,554

APPLICANT: LIXIAO WANG, ET AL

FILING DATE: MARCH 2, 1994 2/22/02

GROUP: MAY 27, 2002

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REFERENCE DESIGNATION		U.S. PATENT DOCUMENTS			TECHNOLOGY CENTER IF APPROPRIATE	
EXAMINER INIT.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING CENTER IF APPROPRIATE
AA	4,906,244	3/90	PINCHUK ET AL			
AB	5,156,612	10/92	PINCHUK ET AL			
AC	4,933,676	7/90	JACKOWSKI ET AL			
AD	4,950,239	8/90	GAHARA ET AL			
AE	5,108,415	4/92	PINCHUK ET AL			
AF	5,236,659	8/93	PINCHUK ET AL			2/92
AG	5,290,306	1/94	TROTTA ET AL			
AH						
AI						
AJ						
AK						

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
						YES NO
AL	92/19316	11/92	WO			
AN	540 858	5/93	EP			
AO	420 483	3/91	EP			
AO	92/08512	5/92	WO			
AP						

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	FLESHER, JR., "POLYETHER BLOCK AMIDE: HIGH-PERFORMANCE TPE," MODERN PLASTICS, PP 100, 105, 106, T10, (SEPT. 1987).
AS	M. XIE, ET AL, "ETUDE MORPHOLOGIQUE DE BLOC-COPOLY(ETHER-AMIDES)," MIKROMOL. CHEM. 187, 383-400 (1986).

EXAMINER /Michael Miggins/ DATE CONSIDERED 03/02/2009

EXAMINER. Initial if reference considered, whether or not citation is in conformance with NMEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

USPTO GEN CIV RIS-4/M-105-319

Page 3 of 18

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /MM/

FOR I PTO-1149 (Modified)

MAY 2

2008

PATENT DOCKET NO: S63.2-4842

1040

10080781

Serial No: 09/204,554

LIST OF PATENTS AND PUBLICATIONS FOR  
APPLICANT'S INFORMATION DISCLOSURE

APPLICANT: LIXIAO WANG, ET AL

STATEMENT

(Use several sheets if necessary)

FILING DATE: MARCH 2, 1994 2/22/02

Group:

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MAY 30 2002

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

CA	H. BOUBIL, ET AL, "MORPHOLOGY OF POLYAMIDE AND POLYETHER BLOCK AMIDE BLENDS," <i>POLYMER ENGINEERING AND SCIENCE</i> , 29, 679-684 (1989).	TECHNOLOGY CENTER R3700
CB	N. ALBEROLA, ET AL, "MECHANICAL RELAXATION PROCESSES IN POLYETHER BLOCK AMIDE COPOLYMERS (PEBA)," <i>MAKROMOL. CHEM., MAKROMOL. SYMP.</i> , 23, 219-224 (1989).	
CC	H. FARUQUE, ET AL, "STUDY OF MULTIPLE RELAXATIONS IN PEBAX, POLYETHER BLOCK AMIDE (PA12 2135 BLOCK PTMG 2032), COPOLYMER USING THE THERMALLY STIMULATED CURRENT METHOD," <i>POLYMER</i> , 27, 527-531 (1986).CD G. GORDON, "GLASS TRANSITION IN NYLONS," <i>J. POLYMER SCI.: PART A-2</i> , 9, 1693-1702 (1971).	
CE	D. PREVORSEK, ET AL, "MECHANICAL RELAXATIONS IN POLYAMIDES," <i>J. POLYMER SCI.: PART A-2</i> , 9, 867-886 (1971).	
CF	H. FARUQUE, ET AL, "A THERMALLY STIMULATED CURRENT TECHNIQUE FOR MEASURING THE MOLECULAR PARAMETERS OF PEBAX, A POLYETHER-BLOCK AMIDE COPOLYMER," <i>J. MATER. SCI.</i> , 22, 675-678 (1987).	
CH	R. KOCH, "PEBAX," <i>ADVANCES IN POLYMER TECHNOLOGY</i> , 2, 160-162 (1982).	
CI	N. ALBEROLA, "MICROMECHANICAL PROPERTIES OF POLYETHER BLOCK AMIDE COPOLYMERS," <i>J. APPLIED SCI.</i> , 36, 787-801 (1988).	
CJ	J. BRANDRUP, ET AL, eds., <i>POLYMER HANDBOOK</i> , JOHN WILEY & SONS (1989), PP VI/209, VI/243-VI/244.	
CK		
CL		
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CO		
CP		
CQ		

EXAMINER /Michael Miggins/

DATE CONSIDERED

03/02/2009

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

USPTO FORM 146/104

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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /MM/

FORM PTO-1449 (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		MAY 28 2002	ATTY DOCKET NO: S63.2-5424-10801	Serial No: 06/297,837
			APPLICANT: Lixiao Wang et al	RECEIVED
			FILING DATE: March 2, 1995 2/22/02	DATE: May 28 2002
<b>OTHER DOCUMENTS</b> (Including Author, Title, Date, Relevant Pages, Place of Publication) <span style="float: right;">TECHNOLOGY CENTER R3700</span>				
CA	Flesher, "Polyether block amide: high-performance TPE," Modern Plastics, September 1987, pp 100,105, 110.			
CB	Koeh, "PEBAX (Polyether Block Amide)", Advances in Polymer Technology, Vol 2, No. 3 1982 pp. 160-162.			
CC	De, et al, eds. <u>Thermoplastic Elastomer from Rubber-Plastic Blends, Chapter 1</u> , Ellis Horwool, New York pp. 13-27.			
CD	Gorski, "The Nomenclature of Thermoplastic Elastomers," Kunststoffe German Plastics, 83 (1993) No. 3, pp 29-30.			
CE	Hofmann, "Thermoplastic Elastomers," Kunststoffe German Plastics, 80 (1990) No. 10, pp 88-90.			
CF	Atochem, "Pebax® Resins 33 Series Property Comparison" undated, (1 pg manufacturers technical information sheet received 9/29/94).			
CG	Atochem, undated and untitled brochure for Pebax® resins, pgs 2-5.			
CH	Bhowmick, et al eds., <u>Handbook of Elastomers</u> , Chapters 10 and 12, Marcel Dekker Inc., pp 341-373 and 411-442.			
CI	Walker, et al, eds. <u>Handbook of Thermoplastic Elastomers</u> , Chapter 8, Van Nostrand Reinhold Co., NY pp 258-281.			
CJ				
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EXAMINER	/Michael Miggins/		DATE CONSIDERED	03/02/2009
communication to applicant.				

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Page 5 of 6

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /MM/



FORM PTO-1449 (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		ATTY DOCKET NO: S632-5424-10401		Serial No: 10/080781 10407-037			
		APPLICANT: Lixiao Wang et al					
		FILING DATE: March 2, 1996		2/22/02			
				Group: 3506 3763			
REFERENCE DESIGNATION U.S. PATENT DOCUMENTS							
EXAM'S INIT.	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS		
	AA 5,500,180	3/19/96	Anderson et al	264	532		
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
FOREIGN PATENT DOCUMENT OR PUBLISHED FOREIGN PATENT APPLICATION							
	DOCUMENT NUMBER	PUBLICA. TION DATE	COUNTRY OF PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
	BA					YES	NO
	BB						
	BC						
	BD						
	BE						
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
CA							
CB							
CC							
EXAMINER	Michael Miggins/		DATE CONSIDERED	03/02/2009			
next communication to applicant.							

FORM PTO-1449 (Modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO: S63.2-5424-10401	Serial No: 08/397,337 <i>10080781</i>
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		APPLICANT: Lixiao Wang, et al	
		FILING DATE: March 2, 1995 <i>2/22/02</i>	Group: 3306 3763

*RECEIVED**MAY 30 2002**TECHNOLOGY CENTER 1400**APPROPRIATE**100*

REFERENCE DESIGNATION		U.S. PATENT DOCUMENTS			
EXAM'S INIT.	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS
AA	4,898,591	2/90	Jang et al	604	
AB	4,917,667	4/90	Jackson	604	
AC	4,950,257	8/90	Hibbs et al	604	
AD	4,385,635	5/83	Ruiz	128	
AE	4,886,506	12/89	Lovgren et al	604	
AF	4,563,181	1/86	Wijayathna	604	
AG	4,906,244	3/90	Pinchuck et al	606	
AH	4,254,774	5/81	Boretos	128	
AI	5,290,306	3/94	Trotta et al	606	194
AJ	5,250,069	10/93	Nobuyoshi et al	606	
AK	4,332,920	6/82	Foy et al	525	
AL	4,331,786	5/82	Foy et al	525	

## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
AL	566 755 A	10/93	EP				
AM	540 858 A	12/93	EP				
AN	420 488 B	7/93	EP				
AO	92/8512	5/92	WO				
AP	92/19316	11/92	WO				
AQ	274 411	7/88	EP				
AR	592 885 A	4/94	EP				

## OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Places of Publication )

AR	DuPont, "Hytrell®" 11 pg undated product brochure (received 9/90)
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FIRMWIDE INFORMATION FIRM

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/Michael Miggins/

03/02/2009

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FORM PTO-1449 (Modified)		ATTY DOCKET NO: S63.2-S424- 10901		Serial No: 082497827	
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		APPLICANT: Lixiao Wang			
		FILING DATE: March 2, 1995 2/22/02		Group: 3763	
<b>REFERENCE DESIGNATION</b> <b>U.S. PATENT DOCUMENTS</b>					
EXAM'S INIT.	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS
	AA 5,328,468	7/94	Kaneko, et al	604	96 TECHNOLOGY CENTER R-700
	AB 4,675,361	6/94	Ward, Jr.	525	92
	AC 5,344,400	9/94	Kaneko, et al	604	96 4/693
	AD 5,281,677	1/94	Onwunaka, et al	525	458
	AE 5,295,978	3/94	Fan, et al	604	265
	AF 5,397,306	3/95	Nobuyoshi, et al	604	96
	AG 4,786,556	11/88	Hu, et al	428	412
	AH 5,304,134	4/94	Kraus, et al	604	96 1/17/92
	AI 5,335,675	8/94	Wheeler, deceased, et al	128	842 10/11/91
	AJ 5,348,538	9/94	Wang, et al	604	96 9/29/92
	AK 5,300,048	4/94	Drewes, Jr. et al	604	280 5/12/93
	AL 4,950,239	8/90	Gahara et al	604	96
	AM 4,154,244	5/91	Becker et al	128	349B
	AN 4,938,676	7/90	Jackoski et al	425	140
	AO 4,952,357	8/90	Enteneuer	264	129
	AP 4,413,989	11/83	Schjeldahl et al	604	96
	AQ 4,490,421	12/84	Levy	428	35
	AR 5264260	11/93	Saab		
	AS 5358486	10/95	Saab		
	AT				
	AU				
	AV				
	AW				
	AX				
	AY				
EXAMINER	Michael Miggins/		DATE CONSIDERED 03/02/2009		

next communication to applicant.

P:WPA/CB/200424-EG:531

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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /MM/

FORM PTO-1449 (Modified)

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT  
(Use several sheets if necessary)

MAY 28 2002

PATENT DOCKET NO: 563-2-10401

Serial No: 08461,861

APPLICANT: Lixiao Wang et al

FILING DATE: June 28, 1996

2/22/02

Group: 3763

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA	5304340	4/95	Downey			4/16/93
AB						TECHNOLOGY CENTER R3700
AC						
AD						
AE						
AF						
AG						

## FOREIGN PATENT DOCUMENT OR PUBLISHED FOREIGN PATENT APPLICATION

	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OF PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION YES      NO
BA	2 651 681	3/15/91	FR			
BB	0 566 755 A1	10/27/93	EP			
BC	0 513 459 A1	11/19/92	EP			
BD	84/01513	4/26/84	WO			
BE						

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER /Michael Miggins/

DATE CONSIDERED

03/02/2009

EXAMINER: Initials circled considered. Draw line through citation if not in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1419 (Modified)

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT  
(Use several sheets if necessary)MAY 28 2002  
TRADEMARK OFFICEATTY DOCKET NO: S63.2-6499- 10401  
APPLICANT: Lixiao Wang et al.

FILING DATE: February 25, 1997 2/22/02

Serial No: 10/080781

Group: 3306 3763

## OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

CA	Form 892, US serial number 087671,861
CB	Form 892, US serial number 08/107,837
CC	Form 892, US serial number 08/204,554
CD	Tecoflex® Medical Grade Aliphatic Thermoplastic Polyurethanes, date unknown
CE	SCIMED LEAP TRIO PTCA CATHETERS, May 16, 1995
CF	Dow Processing Guide, Pelletthane, date unknown
CG	Dupont product literature on HYTREL, date unknown
CH	Dow Chemical product literature on ISOPLAST, December 17, 1991 and other dates unknown
CI	Tecohane® Medical Grade Aliphatic Thermoplastic Polyurethanes, date unknown
CJ	Thermoplastic Elastomer data sheet, D.A.T.A. Business Publishing, p. 2-1709 1994
CK	Polyamide-Nylon data sheet, D.A.T.A. Business Publishing, p. 2-595 1994
CL	International Search Report, International Application PCT/US 95/02717
CM	Polyether Block Amide data sheet, D.A.T.A. Business Publishing, p. 2-817 1994
CN	Tecoplast™ Engineering Polyurethane Resins May 1996
CO	
CP	
CQ	

EXAMINER /Michael Miggins/

DATE CONSIDERED

03/02/2009

EXAMINER: Initial citation considered. Draw line through citation if not in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with all communications to applicant.

TWO COPY FORM 1419-12A

Page 10 of 18

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FORM PTO-1449 (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		MAY 28 2002	ATTY DOCKET NO.: S63-2-6400	10401	SERIAL NO.: 08/805,899	10/080781
			APPLICANT:Lixiao Wang et al			
			FILING DATE: March 6, 1997	3/22/02	GROUP: 2203	
REFERENCE DESIGNATION		U.S. PATENT DOCUMENTS				
EXAMINER'S INIT.	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	MAY 31, 2008 TECHNOLOGY CENTER A3700 IF APPROPRIATE
AA						
AB						
AC						
AD						
AE						
AF						
AG						
FOREIGN PATENT DOCUMENT OR PUBLISHED FOREIGN PATENT APPLICATION						
	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OF PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION YES NO
BA	531 117 B1	10/3/93	EP			
BB	95/09667	4/13/95	WO			
BC						
BD						
BE						
BF						
BG						
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)						
CA						
CB						
CC						
CD						
CE						
EXAMINER	/Michael Miggins/		DATE CONSIDERED	03/02/2009		
EXAMINER: Initial citation considered. Draw line through citation if not in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.						

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FORM PTO-1449 (Modified)  
INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT  
(Use several sheets if necessary)



PATENT DOCKET NO: S63.2-6400 10401

MAY 28 2002 10080781

APPLICANT: Wang et al

TECHNOLOGY CENTER R3/00

FILING DATE: 2/25/02 2/22/02

Group: 3306 3763

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA	5,554,120	9/96	Chen et al	604	96	7/25/94
AB	5,565,523	10/96	Chen et al	525	176	6/7/95
AC						
AD						
AE						
AF						
AG						
AH						
AI						
AJ						
AK						

## FOREIGN PATENT DOCUMENT OR PUBLISHED FOREIGN PATENT APPLICATION

	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OF PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
BA	96/37240	11/96	WO				
BB							
BC							
BD							
BE							

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

CA		
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CC		

XAMINER /Michael Miggins/

DATE CONSIDERED

03/02/2009

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WORKSHEET 105-1119

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FORM PTO-1449 (Modified)

MAY 28 2002

ATTY DOCKET NO: S63.2-6400-10401

10/10080781  
Serial No: 08/605,699INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT  
(Use several sheets if necessary)

APPLICANT: Lixiao Wang et al.

FILING DATE: February 23, 1997 2/22/02

Group: 3006 3763



## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

EXAMINER'S INT'L.	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA 5,665,923	10/15/95	Chen et al.	525	176	6/7/95
	AB					
	AC					
	AD					
	AE					
	AF					
	AG					
	AH					
	AI					
	AJ					
	AK					

## FOREIGN PATENT DOCUMENT OR PUBLISHED FOREIGN PATENT APPLICATION

	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OF PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
BA	95/23619	9/8/95	WO	A61L	29/00	x	
BB							
BC							
BD							
BE							

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

CA			
CB			
CC			

EXAMINER /Michael Miggins/

DATE CONSIDERED

03/02/2009

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## FORM PTO-1449 (Modified)

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT  
(Use several sheets if necessary)

ATTY DOCKET NO.: 822-7136

10080781  
SERIAL NO.: 09/137653

APPLICANT:Lixiao Wang et al

FILING DATE: 8/24/98 2/22/02

GROUP: 344 3763

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MAY 30 2002  
TECHNOLOGY CENTER H3700

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

EXAMINER INIT.	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE
						APPROPRIATE
AA	5807520	9/15/98	Wang	264	520 TECHNOLOGY	MAY 30 2002
AB	5,478,320	12/26/95	Trotta	604	96	
AC	5,334,146	8/2/94	Ozasa	604	96	
AD	5,254,091	10/19/93	Aliahmad et al	604	96	
AE	5,500,181	3/19/96	Wang et al	264	532	
AF	5,316,016	5/31/94	Adams et al	128	774	

## FOREIGN PATENT DOCUMENT OR PUBLISHED FOREIGN PATENT APPLICATION

	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OF PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
BA	0 436 501	7/10/91	EP				
BB	0 485 903	5/20/82	EP				
BC	0 318 919	6/7/89	EP				
BD	WO 96/12516	5/2/96	WO				
BE	WO 96/04951	2/22/96	WO				
BF	WO 95/22367	8/24/95	WO				
BG	WO 92/08512	5/29/92	WO				

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

CA							
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DATE CONSIDERED

03/02/2009

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Page 10 of 18

FORM PTO-1449 (Modified)		MAY 28 2002	ATTY DOCKET NO.: S63.2-7567 <i>10401</i>	APPLICATION NO.: 10/1560781
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT		APPLICANT: Lixiao Wang et al.		
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		FILING DATE: June 9, 1999	<i>2/22/02</i>	GROUP NUMBER <i>30</i> 2002

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## REFERENCE DESIGNATION

## U.S. PATENT AND PUBLISHED APPLICATION DOCUMENTS

EXAMINER'S INIT.	DOCUMENT NUMBER	DATE	NAME	CLASS/ SUBCLASS	TECHNOLOGY CENTER FILING DATE IF APPROPRIATE
AA	5,342,386	8/30/94	Trotta	606/194	
AB	5,334,146	8/2/94	Ozasa	604/96	
AC					
AD					
AE					
AF					
AG					
AH					
AI					
AJ					
AK					
AL					

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY
BA	4-144572	5/19/92	JP
BB	3-176068	7/31/91	JP
BC	592870	4/20/94	EP
BD	381919	6/7/89	EP
BE	606165	7/13/94	EP

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

CA		"Thermoplastic Elastomer," Kagaku Kogyo Nipponsha, published Feb. 15, 1992, pgs 23-39 and 225-229 with partial translation.
CB		<i>Ullmann's Encyclopedia of Industrial Chemistry</i> (1995), Vol A26, Cpt 4, "Thermoplastic Elastomers," pp 651-655.
CC		

EXAMINER	/Michael Miggins/	DATE CONSIDERED	03/02/2009
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Patent &amp; TRADEMARK OFFICE

May 28 2002 Application No. 09/811,764  
Examiner 10/12/00781

Applicant(s)

WANG et al.

Jennifer R. Sadula

Group Art Unit  
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3763

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MAY 30 2002

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## U.S. PATENT DOCUMENTS

DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS
A 4,490,421	12/25/84	LEVY	604	95
B 5,328,468	6/12/94	KANEKO et al.	604	95
C 6,344,400	9/6/94	KANEKO et al.	604	95
D 5,270,086	7/9/91	HAMLIN	604	95
E 5,769,817	6/23/98	BURGMEIER	604	95
F Re. 33,561	3/26/91	LEVY	604	95
G RE. 32,983	7/11/89	LEVY	604	95
H				
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## FOREIGN PATENT DOCUMENTS

DOCUMENT NO.	DATE	COUNTRY	NAME	CLASS	SUBCLASS
N					
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Q					
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## NON-PATENT DOCUMENTS

DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
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W	
X /Michael Miggins/ 03/02/2009	

\* A copy of this reference is not being furnished with this Office action.  
(See Manual of Patent Examining Procedure, Section 707.05(a).)

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Notice of References Cited Part of Paper No. 16/18



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MAY 9 2002

10/080781 2002

Serial No. 09/177,658

TECHNOLOGY CENTER 3700

FORM PTO-1449 (Modified)		Docket No.: 10401 10/080781		Serial No. 09/177,658	
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		Applicant: Lixiao Wang et al			
		Filing Date: 07/22/02		Group: 3731 3763	
REFERENCE DESIGNATION		U.S. PATENT DOCUMENTS			
EXAMINER'S INIT.	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS
AA	4,154,244	5/13/79	Becker et al.	128	349
AB	4,932,357	8/28/90	Buteneuer	264	129
AC	4,906,244	3/6/90	Pinchuk et al	506	194
AD	5,087,394	2/11/92	K eith	204	22
AE	4,938,576	7/3/90	Jakowski et al	423	140
AF	4,963,313	10/90	Noddin et al	264	563
AG	4,413,989	11/8/83	Schieldahl et al	604	96
AH	4,456,000	6/26/84	Schieldahl et al	128	1
AI					
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Michael Miggins/

DATE CONSIDERED:

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PARENT & TRADEMARK OFFICE  
MAY 8 2002

FORM PTO-1449 (Modified) LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		CITY DOCKET NO: S63.2-4426-10401		Application No: 09/4426-10401 <i>RECEIVED</i> <b>MAY 30 2002</b> <b>GROUP 3763</b>	
		APPLICANT: Lixiao Wang et al	FILING DATE: 02/22/02	TECHNOLOGY CENTER 2900	

REFERENCE DESIGNATION		U.S. PATENT DOCUMENTS				
EXAMINER'S INIT.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA	5,556,383	9/17/96	Wang	604	96	
AB	5,270,086	12/14/93	Hamlin	428	35.2	
AC	5,195,969	3/23/93	Wang et al	604	96	
AD	5,512,051	4/30/96	Wang et al	604	96	
AE	5,403,340	4/14/95	Wang et al	606	194	
AK	5,411,477	5/2/95	Saab	604	96	

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
						YES NO
BA	WO 89/08473	9/21/89	WO			
BB	WO 92/19440	11/12/92	WO			
BC						
BD						
BE						
BF						
BG						
BH						
BI						

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

CA			
CB			
CC			

EXAMINER	03/02/2009	DATE CONSIDERED	03/02/2009
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